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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

5

Application Number 10/789,638

Filing Date 02/27/2004

First Named Inventor Bender

Art Unit 1765

Examiner Name Nadine Norton

Attorney Docket Number Solix 4

### ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input checked="" type="checkbox"/> Fee Attached                          | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
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| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |
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| <b>Remarks</b>  |   |   |

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

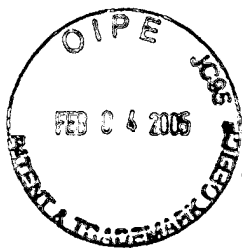
|              |                             |          |        |
|--------------|-----------------------------|----------|--------|
| Firm Name    | Woodside IP Group           |          |        |
| Signature    | <i>Michael Hetherington</i> |          |        |
| Printed name | Michael Hetherington        |          |        |
| Date         | Feb. 7, 2005                | Reg. No. | 32,357 |

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

DAVID I. BENDER

Group Art Unit: 1765

Serial No. 10/789,638

Examiner: Nadine G. Norton

Filed: 02/27/2004

For: SYSTEM FOR CONTINUOUS  
GROWING OF MONOCRYSTALLINE  
SILICON

**INFORMATION DISCLOSURE STATEMENT**

The Honorable Commissioner for Patents  
Alexandria, VA 22313

Sir:

The Citations listed on attached PTO forms SB/08A and SB/08B may be material to the examination of the above-identified application and are, therefore, submitted in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56. The Examiner is requested to make these citations of official record in the application.

In accordance with 37 C.F.R. 97 (h), this Information Disclosure Statement shall not be considered to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56.

This Information Disclosure Statement under 37 C.F.R. §1.56 is not to be construed as a representation that a further search of the art has been made by applicant, that additional information material to the examination of this application does not exist, or that any of these citations constitute prior art under 37 C.F.R. §102 or §103.

The following are submitted herewith:

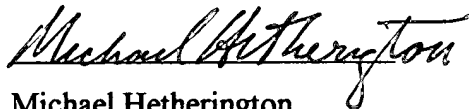
PTO forms SB/08A, SB/08B

Fee under 37 C.F.R. §117(p) for submission of Information Disclosure  
Statement

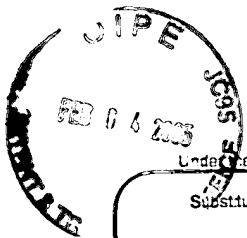
The Commissioner is authorized to charge any additional fees that may be  
required, including petition fees, or credit any overpayment to Deposit Account No.  
501866.

Respectfully submitted,  
WOODSIDE IP GROUP

By

A handwritten signature in cursive script, reading "Michael Hetherington".

Michael Hetherington  
Reg. No. 32,357



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                  |
|------------------------|------------------|
| Application Number     | 10/789,638       |
| Filing Date            | 02/27/2004       |
| First Named Inventor   | Bender           |
| Art Unit               | 1765             |
| Examiner Name          | Nadine G. Norton |
| Attorney Docket Number | Solx 4           |

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                    |                       | US- 5,242,531                            | 09/07/1993                     | Klingshirn et al.                                  | Col. 4, L14-25ff  |
|                    |                       | US- 5,324,488                            | 06/28/1994                     | Klingshirn et al.                                  | Col. 5, L 24-54   |
|                    |                       | US- 5,437,242                            | 08/01/1995                     | Hofstetter et al.                                  | Col. 4, L 3-46  |
|                    |                       | US- 4,036,595                            | 07/19/1977                     | Lorenzini et al.                                   | Col. 2 L61-Col.3 L30  |
|                    |                       | US- 4,410,494                            | 10/18/1983                     | Fiegl  | Col. 4, L16ff   |
|                    |                       | US- 4,282,184                            | 08/04/1981                     | Fiegl et al.                                       | Col. 5, L11-68  |
|                    |                       | US- 4,396,824                            | 08/02/1983                     | Fiegl et al.                                       | Col. 5, L55ff   |
|                    |                       | US- 4,454,096                            | 06/12/1984                     | Lorenzini et al.                                   | Col. 3, L28ff   |
|                    |                       | US- 5,373,805                            | 12/20/1994                     | Takano et al.                                      | Col. 8, L13ff   |
|                    |                       | US- 5,733,368                            | 03/31/1998                     | Nagai et al.                                       | Col. 3, L37-55  |
|                    |                       | US- 5,876,496                            | 03/02/1999                     | Nagai et al.                                       | Col. 3, L 59-67ff   |
|                    |                       | US- 5,360,480                            | 11/01/1994                     | Altekrueger  | Col. 3, L4-59   |
|                    |                       | US- 4,592,895                            | 06/03/1986                     | Matsutani et al.                                   | Col. 5, L16-20ff  |
|                    |                       | US- 5,288,366                            | 02/22/1994                     | Holder   | Col. 3, L35-58  |
|                    |                       | US- 5,314,667                            | 05/24/1994                     | Lim et al.   | Col. 4, L1-25   |
|                    |                       | US- 4,265,859                            | 05/05/1981                     | Jewett   | Col. 3, L50-64  |
|                    |                       | US- 4,289,571                            | 09/15/1981                     | Jewett   | Col. 2 L64-Col.3L14   |
|                    |                       | US- 4,659,421                            | 04/21/1987                     | Jewett   | Col. 7 L54-Col.8 L65  |
|                    |                       | US- 5,427,056                            | 06/27/1995                     | Imai et al.  | Col. 5, L18-Col.6 L2  |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
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| Art Unit               | 1765             |
| Examiner Name          | Nadine G. Norton |
| Attorney Docket Number | Solx 4           |

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|--------------------------|---|----------------|
|                       |                          | C. WANG et al.; A continuous Czochralski silicon crystal growth system; Journal of Crystal Growth 250 (2003), pgs. 209-214  | ✓              |
|                       |                          | T. WANGM; Shallow Melt Czochralski Growth of Semiconductor Silicon; NREL Golden, CO   | ✓              |
|                       |                          | HOPKINS et al.; Crystal Growth Considerations in the Use of "Solar Grade" Silicon; Journal of Crystal Growth 42 (1977) 493-498  | ✓              |
|                       |                          | M.H. LEIPOLD et al.; Materials of Construction for Silicon Crystal Growth; Journal of Crystal Growth 50 (1980) 366-377  | ✓              |
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